

CLAIM LISTING

1. (Previously presented) A method to synchronize transmission of data, said method comprising:
receiving a plurality of data into a buffer at a destination device, wherein the plurality of data is transmitted by a first source device via a first network;
receiving a plurality of synchronization pulses at said destination device, wherein the plurality of synchronization pulses is transmitted by a second source device via a second network; and
receiving a sequence number at said destination device to determine when said destination device will access said plurality of data from said buffer.
2. (Previously presented) The method of claim 1, further comprising extracting the sequence number from said plurality of synchronization pulses received by said destination device to determine when and in which order said destination device will access said plurality of data from said buffer.
3. (Previously presented) The method of claim 1, wherein the first network is a power line network and the second network is a data network.
4. (Cancelled)
5. (Cancelled)
6. (Original) The method of claim 1, wherein said first source device and said second source device are the same device.
7. (Original) The method of claim 1, wherein said plurality of synchronization pulses adjusts a clock signal used by said destination device.
8. (Original) The method of claim 7, wherein said plurality of synchronization pulses adjusts a phase-locked-loop (PLL) in said destination device.

9. (Original) The method of claim 1, wherein said plurality of synchronization pulses is transmitted to said destination device by a transmission media selected from a group consisting of: a pair of wires, a double pair of wires, a coaxial cable, radio transmission, infrared transmission, one optical fiber, and two optical fibers.
10. (Original) The method of claim 1, wherein said plurality of synchronization pulses and said plurality of data are transmitted using one modulation method.
11. (Previously presented) The method of claim 10, wherein said plurality of synchronization pulses and said plurality of data are transmitted using orthogonal differential frequency (ODFM) modulation.
12. (Previously presented) The method of claim 10, wherein said plurality of synchronization pulses and said plurality of data are transmitted using a modulation method selected from a group of modulation methods consisting of: QAM, CODFM, DFM, PSK, BPSK, or QPSK.
13. (Original) The method of claim 1, wherein said plurality of synchronization pulses is transmitted with a different modulation from a modulation used to transmit said plurality of data.
14. (Original) The method of claim 1, wherein said plurality of synchronization pulses is transmitted without modulation.
15. (Original) The method of claim 1, wherein said plurality of data has an embedded sequence number.
16. (Original) The method of claim 1, further comprising receiving said plurality of synchronization pulses by a global positioning satellite (GPS) receiver in said destination device.

17. (Previously presented) The method of claim 1, wherein said plurality of data includes audio data, video data, multimedia data, or a combination thereof.
18. (Previously presented) A method to transmit data, said method comprising:
transmitting a plurality of data from a first source device into a buffer at a destination device via a first network;
wherein the destination device receives a plurality of synchronization pulses from a second source device via a second network;
wherein said plurality of synchronization pulses adjusts a local clock in said destination device; and
wherein the destination device extracts a sequence number from said plurality of synchronization pulses to determine when and in which order to access said plurality of data from said buffer.
19. (Previously presented) The method of claim 18, wherein the first network is a power line network and the second network is a wireless network.
20. (Original) The method of claim 18, wherein said first source device and said second source device are the same device.
21. (Cancelled)
22. (Cancelled)
23. (Original) The method of claim 18, wherein said plurality of synchronization pulses and said plurality of data are transmitted using one modulation method.
24. (Original) The method of claim 18, wherein said plurality of synchronization pulses is transmitted with a different modulation from a modulation used to transmit said plurality of data.

25. (Original) The method of claim 18, wherein said plurality of synchronization pulses is transmitted without modulation.
26. (Original) The method of claim 18, wherein said plurality of data has an embedded sequence number, which said destination device can extract to determine when to access said plurality of data from said buffer.
27. (Previously presented) A data system, comprising:
a destination device having a buffer and a controller, wherein the destination device receives a plurality of data from a first source device to be stored in the buffer and receives a plurality of synchronization pulses from a second source device that is physically separate from the first source device;
wherein the controller is configured to calculate a sequence number to determine when the controller accesses the plurality of data from the buffer;
wherein the destination device is configured to receive the plurality of data from the first source device via a first transmission medium of a first network; and
wherein the destination device is configured to receive the synchronization pulses from the second source device via a second transmission medium of a second network.
28. (Previously presented) The system of claim 27, wherein said destination device determines said sequence number from said plurality of synchronization pulses.
29. (Previously presented) The system of claim 27, wherein said first transmission medium and said second transmission medium are the same transmission medium.
30. (Previously presented) The system of claim 27, wherein said first source device and said destination device are connected in a network by a power line.
31. (Previously presented) The system of claim 27, wherein said first source device and said second source device are the same device.
32. (Cancelled)

33. (Cancelled)
34. (Previously presented) The system of claim 27, wherein said plurality of synchronization pulses adjusts a clock signal used by said destination device.
35. (Previously presented) The system of claim 34, wherein said plurality of synchronization pulses adjusts a phase-locked-loop (PLL) in said destination device.
36. (Previously presented) The system of claim 27, wherein said plurality of synchronization pulses is transmitted to said destination device by a transmission media selected from a group consisting of: a pair of wires, a double pair of wires, a coaxial cable, radio transmission, infrared transmission, one optical fiber, and two optical fibers.
37. (Previously presented) The system of claim 27, wherein said plurality of synchronization pulses and said plurality of data are transmitted using the same modulation method.
38. (Previously presented) The system of claim 37, wherein said plurality of synchronization pulses and said plurality of multimedia data are transmitted using orthogonal differential frequency (ODFM) modulation.
39. (Previously presented) The system of claim 37, wherein said plurality of synchronization pulses and said plurality of multimedia data are transmitted using a modulation method selected from a group of modulation methods consisting of: QAM, CODFM, DFM, PSK, BPSK, or QPSK.
40. (Previously presented) The system of claim 27, wherein said plurality of synchronization pulses is transmitted with a different modulation from a modulation used to transmit said plurality of data.
41. (Previously presented) The system of claim 27, wherein said plurality of synchronization pulses is transmitted without modulation.

42. (Previously presented) The system of claim 27, wherein said plurality of data has an embedded sequence number.
43. (Previously presented) The system of claim 27, wherein said destination device comprises a global positioning satellite (GPS) receiver receiving said plurality of synchronization pulses.
44. (Previously presented) The system of claim 27, further comprising an error detection circuit in said destination device.
45. (Previously presented) The system of claim 27, wherein said plurality of data includes audio data.
46. (Previously presented) The system of claim 27, wherein said plurality of data includes video data.
47. (Previously presented) The system of claim 27, wherein said first source device comprises a first audio controller and said second source device comprise a second audio controller, and said destination device comprises one or more speakers.
48. (Previously presented) The system of claim 27, wherein said destination device further includes one or more demodulators demodulating said plurality of data and said plurality of synchronization pulses.
49. (Previously presented) The system of claim 27, wherein said destination device further includes a detector extracting said sequence number from said plurality of synchronization pulses.

50. (Previously presented) A computer-implemented method for synchronizing transmission of data, the method comprising:
receiving a plurality of data transmitted from a source device via a first network;
subsequently receiving a plurality of synchronization pulses transmitted from said source via a second network;
adjusting a clock local to each of one or more destination devices in response to said plurality of synchronization pulses;
extracting a sequence number from said plurality of synchronization pulses; and
invoking each of said one or more destination devices to access said plurality of data according to said sequence number.
51. (Previously presented) A computer program product for synchronizing transmission of data, wherein said computer program product is stored on a computer readable medium and adapted to perform operations of:
receiving a plurality of data transmitted from a source device via a first network;
subsequently receiving a plurality of synchronization pulses transmitted from said source device via a second network;
adjusting a clock local to each of one or more destination devices in response to said plurality of synchronization pulses;
extracting a sequence number from said plurality of synchronization pulses; and
invoking each of said one or more destination devices to access said plurality of data according to said sequence number.
52. (Cancelled)
53. (Original) The computer program product of claim 51, wherein at least one of said one or more destination devices comprises a phase-locked-loop (PLL) and said plurality of synchronization pulses adjusts said PLL.
54. (Previously presented) The computer program product of claim 51, wherein said plurality of data is selected from a group consisting of audio data, visual data, multimedia data, or a combination thereof.

55. (Previously presented) The method of Claim 1, wherein the first network is a wireless network and the second network is a power line network.
56. (Previously presented) The method of claim 1, wherein said first source device and said second source device are physically separate devices.
57. (Previously presented) The method of claim 3, wherein the data network is a wireless network.
58. (Previously presented) The method of Claim 18, wherein the first network is a wireless network and the second network is a power line network.